

SEQUENCE LISTING

<110> Zauderer, Maurice

Smith, Ernest S.

<120> Methods of Producing a Library and Methods of Selecting Polynucleotides  
of Interest

<130> 1821.0050004

<150> 60/192,586

<151> 2000-03-28

<150> 60/203,343

<151> 2000-05-10

<150> 60/263,226

<151> 2001-01-23

<150> 60/271,426

<151> 2001-02-27

<160> 65

<170> PatentIn version 3.0

<210> 1

<211> 69

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> Nucleotide Sequence of p7.5/tk

<400> 1  
ggccaaaaat tgaaaaacta gatctattta ttgcacgagg ccgcatggg ccgggcggc 60  
aacggcgga 69

<210> 2

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> tk coding sequence

<400> 2

Met Gly Pro Ala Ala Asn Gly Gly  
1 5

<210> 3

<211> 75

<212> DNA

<213> Artificial Sequence

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<223> Nucleotide Sequence of pEL/tk

<400> 3  
ggccaaaaat tgaaatttta tttttttttt ttggaatata aagcgggcgc catgggcccg 60  
gccgccaacg gcgga 75

<210> 4

<211> 145

<212> DNA

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<223> Nucleotide Sequence of p7.5/ATG0/tk

<400> 4  
ggccaaaaat tgaaaaacta gatctattta ttgcacgcgg ccgccgtgga tcccccgggc 60  
tgcaggaatt cgatatcaag cttatcgata ccgtcgacct cgaggggggg cctaactaac 120  
taattttgtt ttgtggggc cggcc 145

<210> 5

<211> 148

<212> DNA

<213> Artificial Sequence

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<223> Nucleotide Sequence of p7.5/ATG1/tk

<400> 5  
ggccaaaaat tgaaaaacta gatctattta ttgcacgcgg ccgccatggt ggatcccccg 60  
ggctcgagga attcgatatc aagcttatcg ataccgtcga cctcgagggg gggcctaact 120  
aactaatttt gtttttgggg gcccggcc 148

<210> 6  
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<212> DNA  
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<220>  
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<223> Nucleotide Sequence of p7.5/ATG2/tk

<400> 6  
ggccaaaaat tgaaaaaacta gatctattta ttgcacgcgg ccgccatgag tggatcccc 60  
gggctgcagg aattcgatat caagcttata gataccgtcg acctcgaggg ggggcctaac 120  
taactaattt tgtttttgtg ggcccggcc 149

<210> 7  
<211> 150  
<212> DNA  
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<220>  
<221> misc\_feature  
<223> Nucleotide Sequence of p7.5/ATG3/tk

<400> 7  
ggccaaaaat tgaaaaaacta gatctattta ttgcacgcgg ccgccatgac gtggatcccc 60  
cgggctgcag gaattcgata tcaagcttat cgataccgtc gacctcgagg ggggcctaac 120  
ctaactaatt tgtttttgtg ggcccggcc 150

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<211> 36  
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<213> Artificial Sequence

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<221> CDS

<222> (1)..(36)

<220>

<221> misc\_feature

<223> rpl3

<400> 8  
gcc ttt ctg ggt tac aag gct ggc atg acc cac atc  
Ala Phe Leu Gly Tyr Lys Ala Gly Met Thr His Ile  
1 5 10

36

<210> 9

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> rpl3

<400> 9

Ala Phe Leu Gly Tyr Lys Ala Gly Met Thr His Ile  
1 5 10

<210> 10

<211> 36

<212> DNA

<213> Artificial Sequence

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<221> CDS

<222> (1) .. (36)

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<223> H2.16

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Ala Phe Leu Gly Tyr Lys Ala Gly Met Ile His Ile  
1 5 10

36

<210> 11

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> H2.16

<400> 11

Ala Phe Leu Gly Tyr Lys Ala Gly Met Ile His Ile  
1 5 10

<210> 12

<211> 9

<212> PRT

<213> Unknown

<220>

<223> cyclin A destruction box of unknown origin

<220>

<221> misc\_feature

<223> Destruction box of cyclin A

<400> 12

Arg Thr Val Leu Gly Val Ile Gly Asp  
1 5

<210> 13

<211> 9

<212> PRT

<213> Unknown

<220>

<223> cyclin B1 destruction box of unknown origin

<220>

<221> misc\_feature

<223> Destruction box of cyclin B1

<400> 13

Arg Thr Ala Leu Gly Asp Ile Gly Asn  
1 5

<210> 14

<211> 27

<212> PRT

<213> Rattus sp.

<220>

<221> misc\_feature

<223> Destruction box of rat cyclin B

<400> 14

Tyr Met Thr Val Ser Ile Ile Asp Arg Phe Met Gln Asp Ser Cys Val  
1 5 10 15

Pro Lys Lys Met Leu Gln Leu Val Gly Val Thr  
20 25

<210> 15

<211> 28

<212> PRT

<213> Mus sp.

<220>

<221> misc\_feature

<223> Destruction box of mouse cyclin B

<400> 15

Lys Phe Arg Leu Leu Gln Glu Thr Met Tyr Met Thr Val Ser Ile Ile  
1 5 10 15

Asp Arg Phe Met Gln Asn Ser Cys Val Pro Lys Lys  
20 25

<210> 16

<211> 27

<212> PRT

<213> Mus sp.

<220>

<221> misc\_feature

<223> Destruction box of mouse cyclin 131

<400> 16

Arg Ala Ile Leu Ile Asp Trp Leu Ile Gln Val Gln Met Lys Phe Arg  
1 5 10 15



Leu Leu Gln Glu Thr Met Tyr Met Thr Val Ser  
20 25

<210> 17

<211> 26

<212> PRT

<213> Mus sp.

<220>

<221> misc\_feature

<223> Destruction box of mouse cyclin 132

<400> 17

Asp Arg Phe Leu Gln Ala Gln Leu Val Cys Arg Lys Lys Leu Gln Trp  
1 5 10 15

Gly Ile Thr Ala Leu Leu Leu Ala Ser Lys  
20 25

<210> 18

<211> 18

<212> PRT

<213> Mus sp.

<220>

<221> misc\_feature

<223> Destruction box of mouse cyclin A2

<400> 18

Met Ser Val Leu Arg Gly Lys Leu Gln Leu Val Gly Thr Ala Ala Met  
1 5 10 15

Leu Leu

<210> 19

<211> 53

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> 7.5k gene promoter MM436

<400> 19  
ggccaaaaat tgaaaaaacta gatctattta ttgcacgcgg ccgccatggg ccc

53

<210> 20

<211> 53

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> 7.5k gene promoter MM437

<400> 20  
ggccggggccc atggcgggccg cgtgcaataa atagatctag tttttcaatt ttt

53

<210> 21

<211> 59

<212> DNA

<213> Artificial Sequence

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<221> misc\_feature

<223> Synthetic EL promoter MM438

<400> 21  
ggccaaaaat tgaaatttta tttttttttt ttggaatata aagcggcgc catgggcc 59

<210> 22

<211> 59

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> Synthetic EL promoter MM439

<400> 22  
ggccgggcc atgcgggccg ctttatattc caaaaaaaaa aaataaaatt tcaattttt 59

<210> 23

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> Primer MM440

<400> 23  
gggaaaggg cgccgccat gttacgtcct gtagaaacc 39

<210> 24

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> Primer MM441

<400> 24  
gggaaagggg ggcacctcatt gtttgctcc ctgctg

36

<210> 25

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> Primer MM442

<400> 25  
gggaaagggg cgccgcctc attgtttgcc tccctgctg

39

<210> 26

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> Cytotoxic T-cell epitope for ovalbumin (11)

<400> 26

Ser Ile Ile Asn Phe Glu Lys Leu

1 5

<210> 27

<211> 70

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> 75ova

<400> 27  
ggccaaaaat tgaaaaacta gatctattta ttgcaccatg agtataatca actttgaaaa 60  
actgtagtga 70

<210> 28

<211> 71

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> 75ovarv

<400> 28  
ggcctcacta cagtttttca aagttgatta atactcatgg tgcaataaat agatctagtt 60  
tttcaatttt t 71

<210> 29

<211> 77

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> ELova

<400> 29  
ggccaaaat tgaaatttta tttttttttt ttggaatata aaccatgagt ataatcaact 60  
ttgaaaaact gtagtga 77

<210> 30

<211> 77

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> ELovarv

<400> 30  
ggcctcacta cagtttttca aagttgatta tactcatggt ttatattcca aaaaaaaaaa 60  
ataaaatttc aattttt 77

<210> 31

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> Primer V V O L Z 5

<400> 31  
gcaggtgcgg ccgccgtgga tccccgggc tgcagg

36

<210> 32

<211> 47

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> Primer V V T L Z 3

<400> 32  
gtaccgggcc cacaaaaaca aaattagta gttaggcccc ccctcga

47

<210> 33

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> Primer MM407

<400> 33  
ggtccctatt gttacagatg gaagggt

27

<210> 34

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> Primer MM408

<400> 34  
ccttcgtttg ccatacgctc acag

24

<210> 35

<211> 7

<212> PRT

<213> Artificial sequence

<220>

<221> misc\_feature

<223> Partial sequence of tk gene at N terminus

<400> 35

Met Gly Pro Ala Ala Asn Gly  
1 5

<210> 36

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> L3 specific primer L3.Fl.S

<400> 36  
cggcgagatg tctcacagga

20



<210> 37  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<221> misc\_feature  
<223> L3 specific primer L3.Fl.AS

<400> 37  
acccccaccat ctgcacaaag 20

<210> 38  
<211> 15  
<212> DNA  
<213> Artificial Sequence

<220>  
<221> misc\_feature  
<223> BglII-NcoI Sense

<400> 38  
gatctcggtgta accgc 15

<210> 39  
<211> 15  
<212> DNA  
<213> Artificial Sequence

<220>  
<221> misc\_feature

<223> BglII-NcoI Antisense

<400> 39  
catggcggtt accga 15

<210> 40

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> Xho-I-XmaIII sense

<400> 40  
ggccgaaata accgc 15

<210> 41

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> Xho-I-XmaIII antisense

<400> 41  
tcgagcggtt atttc 15

<210> 42

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> H3-NcoI sense

<400> 42  
agcttcggta accgc

15

<210> 43

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> H3-NcoI antisense

<400> 43  
catggcggtt accga

15

<210> 44

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> PstI-XmaIII sense

<400> 44

ggccggaaat aaccgctgca

20

<210> 45

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> PstI-XmaIII antisense

<400> 45

gcggttatatt cc

12

<210> 46

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> SalI-NcoI sense

<400> 46

ctgaggaaat aaccgc

16

<210> 47

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> SalI-NcoI antisense

<400> 47  
catggcggtt atttcc

16

<210> 48

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> Gus sense

<400> 48  
atgttacgtc ctgtagaaac c

21

<210> 49

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> Gus antisense

<400> 49  
tcattgtttg cctccctgct g

21

<210> 50

<211> 28  
<212> DNA  
<213> Artificial Sequence

<220>

<221> misc\_feature  
<223> NX-Gus sense

<400> 50  
aaagcggccg ccccgggatg ttacgtcc

28

<210> 51  
<211> 29  
<212> DNA  
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<220>

<221> misc\_feature  
<223> AA-Gus antisense

<400> 51  
aaagggcccg gcgcgcctca ttgtttgcc

29

<210> 52  
<211> 37  
<212> DNA  
<213> Artificial Sequence

<220>

<221> misc\_feature  
<223> D4R Sense

<400> 52  
aaaggatcca taatgaatto agtgactgta tcacacg

37

<210> 53

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> D4R antisense

<400> 53  
cttgccggccg ctttaataaat aaacccttga gccc

34

<210> 54

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> D4R Flank sense

<400> 54  
attgagctct taataactttt gtcgggtaac agag

34

<210> 55

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> D4R Flank antisense

<400> 55  
ttactcgaga gtgtcgcaat ttggatttt

29

<210> 56

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> 7.5Gus sense

<400> 56  
aaagaattcc tttattgtca tcggccaaa

29

<210> 57

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> 7.5Gus antisense

<400> 57  
aatctgcagt cattgtttgc ctccctgctg

30



<210> 58  
<211> 37  
<212> DNA  
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<221> misc\_feature  
<223> Modified D4R sense primer with EcoRI site

<400> 58  
aaagaattca taatgaattc agtgactgta tcacacg 37

<210> 59  
<211> 32  
<212> DNA  
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<220>  
<221> misc\_feature  
<223> Modified D4R antisense primer with BamHI site

<400> 59  
cttggatcct taataaataa acccttgago cc 32

<210> 60  
<211> 29  
<212> DNA  
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<223> D4R left flank sense

<400> 60  
aataagcttt gactccagat acatatgga

29

<210> 61

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> D4R left flank antisense

<400> 61  
aatctgcagc accagttcca tcttt

25

<210> 62

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> D4R right flank sense

<400> 62  
aatggatcct catccagcg cta

23

<210> 63

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> D4R right flank antisense

<400> 63  
aatgagctct agtacctaca acccgaa

27

<210> 64

<211> 28

<212> DNA

<213> Artificial Sequence

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<221> misc\_feature

<223> EL-Gus sense

<400> 64  
aaagtcgacg gccaaaaatt gaaatttt

28

<210> 65

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> EL-Gus antisense

<400> 65

